

CEMO Motor cylinder

CES Motor cylinder



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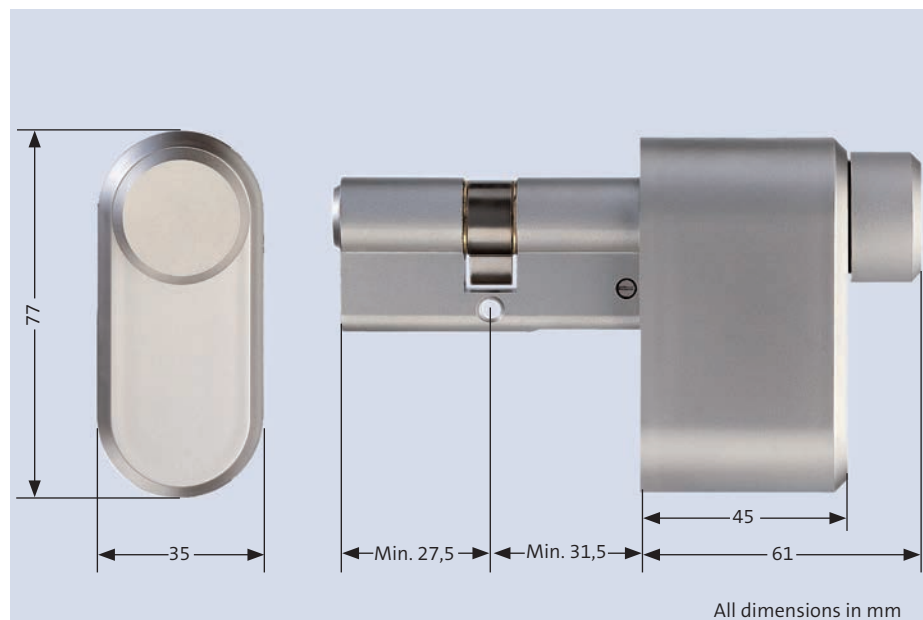
The CES motor cylinder CEMO automatically locks and unlocks doors and other devices or arrangements designed to keep things under lock and key. It is controlled by an interated electronic controlunit that transmits time-related or individual enable signals to the motor cylinder.

From the outside, the motor cylinder can be operated with a mechanical key, by entering a code or by means of RFID media in combination with an access control system. From the inside, the cylinder is operated with a mechanical knob or by means of opening sensors.

CEMO is fully compatible with all CES locking systems as from system S4000 and can be inserted in all locks prepared for profile cylinders. It supports the operation of locks with latch lever, dead-bolt only locks, multipoint locks and locks with anti-panic function.

Before installation on doors in escape and emergency routes, you must check if lock and motor cylinder are suitable for equipping the door

Fitting dimensions



Features

- Simple fitting, independent of the existing armature
- Extremely short opening and locking time (approx. 1.5 seconds for two locking turns and latch)
- Automatic identification of the lock function for: door opening direction (DIN left, DIN right), number of locking turns, anti-panic function
- 5 zero potential inputs for:
 - Permanent Open mode (daytime latch function)
 - Daytime/Nighttime mode switchover under time control of access control systems
 - Unlock door command
 - Lock door command
 - Door monitoring via door contact
- 2 zero potential outputs for connecting indicating devices for door status and operating errors
- Automatic locking assistance for Unlock/Lock key operation
- Automatic locking assistance for Unlock/Lock door knob operation

Content of delivery of CEMO full package

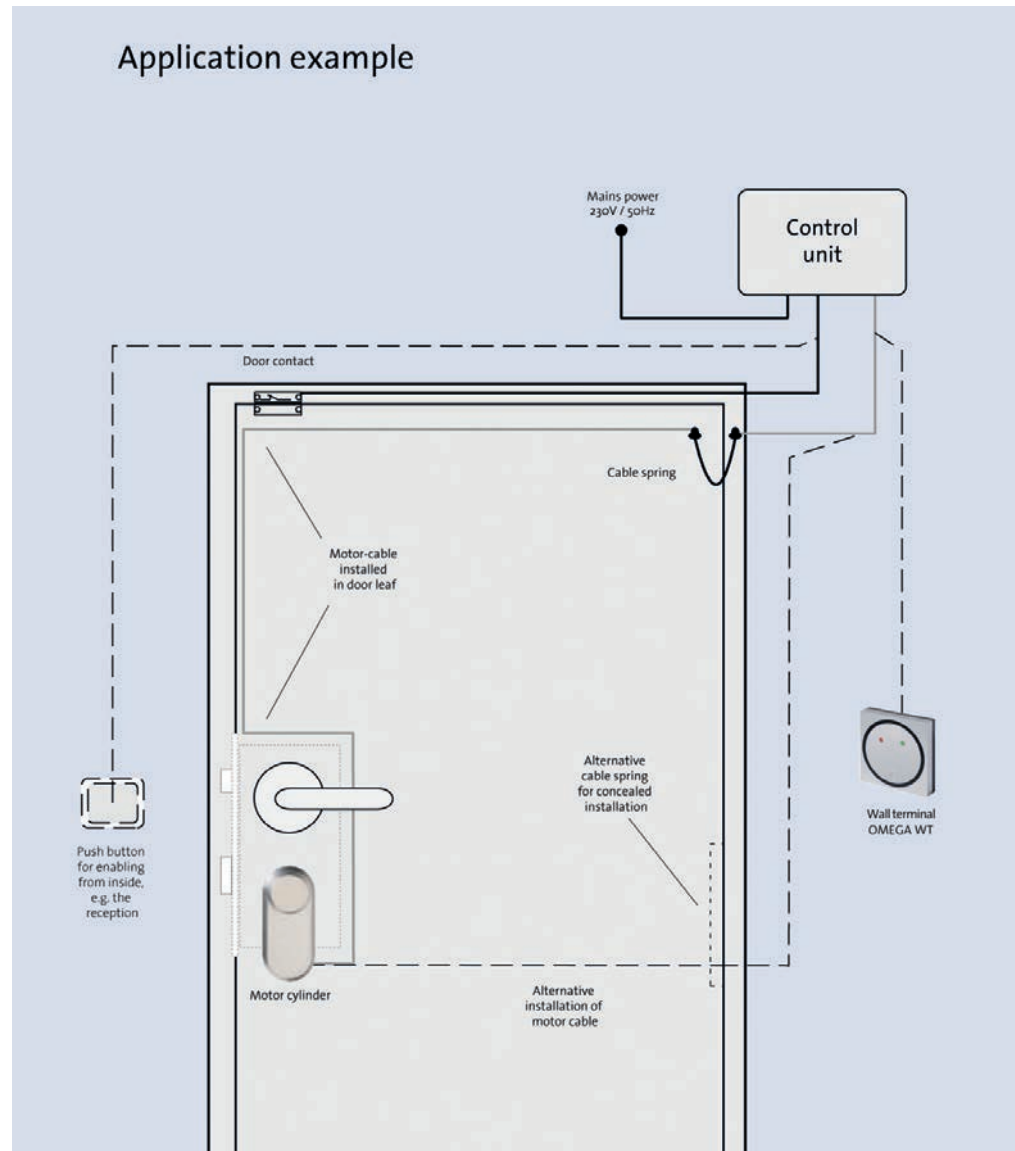
- Locking cylinder with 1 key and motor unit, mat chrome finish
- Controls, incl. power pack, in plastic housing
- 7m cable
- Door contact
- Cable spring

Options

- single (half) cylinder
- Without inside knob
- Without outside locking function

Other applications

- Automatic operation under motion detector control
- Centralized unlocking / locking under panel control
- Automatic unlocking / locking e.g. under building management system control
- Replacement for electrical door openers at doors that must be locked after daytime operation



Note

The components shown with dotted lines are application or combination options.

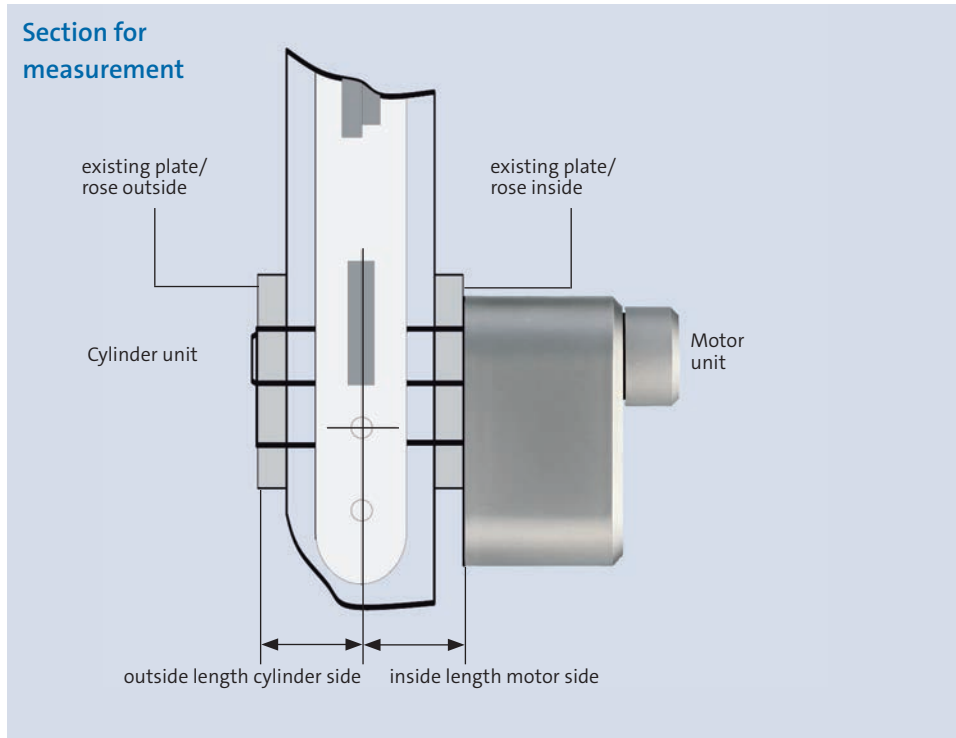
Control unit dimensions

W x H x T: 240 x 120 x 70 mm (height with screw fastening: 145 mm)

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| Order data example | |
|--------------------|----------|
| System | DU6 |
| System name | DU6xxxxx |
| Locking | Z1 |
| Outside length | 35,5 |
| Inside length | 31,5 |
| Number of keys | 3 |
| Cylinder finish | MMV |
| Motor finish | MMCR |

Please determine the inside and the outside length of the cylinder including armature (plate/rose). When indicating dimensions, remember that the cylinder must not lay inside the armature on the inside!



| Technical data | |
|--|--|
| Minimum cylinder length | 27.5/ 31.5 (outside/inside) |
| Maximum cylinder length | Pursuant to CES extension table |
| Optional motor housing colours | polished brass colour, other finishes upon request |
| Maximum torque | 2 Nm |
| Time for one opening (2 turns bolt + latch) | Approx 1,5 seconds |
| Connecting cable cross-section (10 x 0.14; 7 m long) | 6 mm |
| Operating voltage – control unit | 24 V/AC |
| Operating voltage – power supply | 115/230 V 50 Hz |
| Control enclosure protection | IP 65, EN 60529 |
| Cable screw connections | M16 x 1,5 |
| Contact definition of command input Unlock Door | Zero potential make contact – push-button |
| Contact definition of command inputs Permanent Open mode / Daytime/Nighttime mode switchover / Lock Door / Door contact) | Zero potential make contact – switch |
| Max. load of zero potential signal outputs | 250 V / 5 A |

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